

MicroPatent Patent Information Database



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Title: Water-base ink

Abstract:

<SEC>PURPOSE: To obtain a water-base ink for ink jet recording which gives a printed image with excellent definition, water resistance, and light resistance, and hardly causes clogging by incorporating a water-soluble dye containing a quaternary ammonium or phosphonium as a counter ion.

CONSTITUTION: This water-base ink contains at least one water-soluble dye of formula I wherein the counter ion X comprises a quaternary ammonium or phosphonium of formula II. In formulas I and II, R<sub>1</sub> is alkyl, phenyl, hydroxyl or alkoxyl; R<sub>2</sub> is H or alkyl; R<sub>3</sub> is a sulfo, alkyl, optionally substituted aryloxy, alkoxy, hydroxyalkyl or halogen; R<sub>4</sub> is alkyl, alkoxy or halogen; l is 0 or 1; m is 0 to 3; M is N or P; and R<sub>5</sub> to R<sub>8</sub> are each 1-4C alkyl, hydroxyalkyl or haloalkyl.

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Brief Summary :

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Claims: -